



**Matthew Rodriguez**  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Deborah O. Raphael, Director  
8800 Cal Center Drive  
Sacramento, California 95826-3200



**Edmund G. Brown Jr.**  
Governor

May 16, 2014

Ms. Susan Chiu  
Grants Management Office, PMD-7  
U.S. Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, California 94105

Dear Ms. Chiu:

This letter transmits the Department of Toxic Substances Control's Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreement (CA) grant application for your review and approval. We are requesting \$523,700 for Fiscal Year (FY) grant with a project and budget period that will go from July 1, 2014 through June 30, 2015. The grant application includes a Scope of Work and a detailed budget and summary of \$523,700. The required certifications and assurances are already on file with your agency.

If awarded the full \$523,700, this PA/SI grant will support approximately 2,992 hours for \$190,879 personnel services, \$217,662 (114%) indirect rate, and \$105,000 for student and soil sampling contracts, and \$10,159 for related travel expenses. As required, the review request will be submitted to the State Clearinghouse.

Questions related to the grant application should be directed to Mr. John Scandura at (714) 484-5440 or email at [john.scandura@dtsc.ca.gov](mailto:john.scandura@dtsc.ca.gov).

Sincerely,

Stewart W. Black, P.G.  
Deputy Director  
Brownfields and Environmental Restoration Program  
Department of Toxic Substances Control

Attachments

cc: See next page.

Ms. Susan Chiu  
May 16, 2014  
Page 2

cc: (sent by email)

Mr. Matt Mitguard, Project Officer  
U.S. Environmental Protection Agency  
Superfund Division SFD 9-1  
Response, Planning & Assessment Branch  
75 Hawthorne Street  
San Francisco, California 94105  
mitguard.matt@epa.gov

Mr. Larry McDaniel, Legal Counsel  
Office of Legal Counsel, 23-1  
Department of Toxic Substances Control  
Post Office Box 806  
Sacramento, California 95812-0806  
larry.mcdaniel@dtsc.ca.gov

Ms. Barbara Cook, P.E., Division Chief  
Brownfields and Environmental Restoration Program  
Department of Toxic Substances Control  
700 Heinz Avenue, Suite 100  
Berkeley, California 94710-2721  
barbara.cook@dtsc.ca.gov

Ms. Sara Benson, Chief  
Financial Planning, 21-2  
Department of Toxic Substances Control  
Post Office Box 806  
Sacramento, California 95812-0806  
sara.benson@dtsc.ca.gov

Ms. Tsing Zhan, Chief  
Accounting Office, 21-1  
Department of Toxic Substances Control  
Post Office Box 806  
Sacramento, California 95812-0806  
tsingmabel.zhan@dtsc.ca.gov

Mr. John Scandura, Branch Chief  
Brownfields and Environmental Restoration Program  
Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, California 90630  
john.scandura@dtsc.ca.gov

**TABLE OF CONTENTS**  
**PRELIMINARY ASSESSMENT/SITE INVESTIGATION (PA/SI)**  
**GRANT APPLICATION**  
May 16, 2014

- 1) Signed Application for Federal Assistance SF-424/SF-424A-2
- 2) Key People List
- 3) PA/SI Grant Scope of Work
- 4) Detailed Hourly Rate Summary Projections/ State Budget Worksheet

## Application for Federal Assistance SF-424

**\* 1. Type of Submission:**

- ☐ Preapplication  
☐ Application  
☐ Changed/Corrected Application

**\* 2. Type of Application:**

- ☐ New  
☐ Continuation  
☐ Revision

**\* If Revision, select appropriate letter(s):**

**\* Other (Specify)**

**\* 3. Date Received:**

**4. Applicant Identifier:**

**5a. Federal Entity Identifier:**

**\* 5b. Federal Award Identifier:**

**State Use Only:**

**6. Date Received by State:**

**7. State Application Identifier:**

**8. APPLICANT INFORMATION:**

**\* a. Legal Name:**

**\* b. Employer/Taxpayer Identification Number (EIN/TIN):**

**\* c. Organizational DUNS:**

**d. Address:**

**\* Street1:**

**Street2:**

**\* City:**

**County:**

**\* State:**

**Province:**

**\* Country:**

USA: UNITED STATES

**\* Zip / Postal Code:**

**e. Organizational Unit:**

**Department Name:**

**Division Name:**

**f. Name and contact information of person to be contacted on matters involving this application:**

**Prefix:**

**\* First Name:**

**Middle Name:**

**\* Last Name:**

**Suffix:**

**Title:**

**Organizational Affiliation:**

**\* Telephone Number:**

**Fax Number:**

**\* Email:**

## Application for Federal Assistance SF-424

### 9. Type of Applicant 1: Select Applicant Type:

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

### \* 10. Name of Federal Agency:

### 11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

### \* 12. Funding Opportunity Number:

\* Title:

### 13. Competition Identification Number:

Title:

### 14. Areas Affected by Project (Cities, Counties, States, etc.):

### \* 15. Descriptive Title of Applicant's Project:

Attach supporting documents as specified in agency instructions.

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

**17. Proposed Project:**

\* a. Start Date: 07/01/2014

\* b. End Date: 06/30/2015

**18. Estimated Funding (\$):**

\* a. Federal \$523,700.00

\* b. Applicant

\* c. State

\* d. Local

\* e. Other

\* f. Program Income

\* g. TOTAL \$523,700.00

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☒ a. This application was made available to the State under the Executive Order 12372 Process for review on

05/15/2014

☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☐ c. Program is not covered by E.O. 12372.**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.) Applicant Federal Debt Delinquency Explanation**☐ Yes☒ No

21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:

Mr.

\* First Name:

Stewart

Middle Name:

W.

\* Last Name:

Black

Suffix:

\* Title:

Deputy Director, Brownfields and Environmental Restoration Program

\* Telephone Number:

(916) 324-3148

Fax Number:

(916) 323-3500

\* Email:

sblack@dtsc.ca.gov

\* Signature of Authorized Representative:

Stewart W Black

\* Date Signed:

5-16-14

# BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1.		\$	\$	\$	\$	\$
2.						
3.						
4.						
5. Totals		\$	\$	\$	\$	\$

## SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)					
j. Indirect Charges					
k. TOTALS (sum of 6i and 6j)	\$	\$	\$	\$	\$
7. Program Income	\$	\$	\$	\$	\$

Authorized for Local Reproduction

**SECTION C - NON-FEDERAL RESOURCES**

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	\$	\$	\$	\$
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	\$	\$	\$	\$

**SECTION D - FORECASTED CASH NEEDS**

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

**SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT**

(a) Grant Program	FUTURE FUNDING PERIODS (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16.	\$	\$	\$	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$

**SECTION F - OTHER BUDGET INFORMATION**

21. Direct Charges:	22. Indirect Charges:
23. Remarks:	



## KEY CONTACTS FORM

**Authorized Representative:** *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Complete Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

**Payee:** *Individual authorized to accept payments.*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Mail Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

**Administrative Contact:** *Individual from Sponsored Program Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc.)*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

FAX Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**Principal Investigator:** *Individual responsible for the technical completion of the proposed work.*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

FAX Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Web URL: \_\_\_\_\_

**Proposed FY 2014 - 2015  
PA/SI Grant Scope of Work  
California Department of Toxic Substances Control (DTSC)  
July 1, 2014 – June 30, 2015**

**TASK SUMMARY:**

- G1: CERCLIS BACKLOG EVALUATION
- G2: SITE SCREENING AND REASSESSMENT
- G3: SOIL GAS STUDIES
- G4: SPATIAL PRIORITIZATION GEOGRAPHIC INFORMATION TOOL
- G5: SITE DISCOVERY
- G6: ADMINISTRATIVE SUPPORT
- G7: MEETINGS, CONFERENCES AND COORDINATION

**G1: CERCLIS BACKLOG EVALUATION**

DTSC will complete its evaluation of backlog sites in the United States Environmental Protection Agency (U.S. EPA) Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) database. The purpose of this effort is to determine if a state or local agency is overseeing remedial response action. If no state oversight, then DTSC will recommend whether to refer the site to a state agency, evaluate for listing on the National Priorities List, or designate no further action.

In FY 13/14, DTSC used data from the Spatial Prioritization Geographic Information Tool (SPGIT) geographic information system and DTSC and U.S. EPA files to evaluate 123 sites in the CERCLIS database. Information from this evaluation was entered onto a Spatial Prioritization Location Shell (SPLaSH) data entry form and submitted to U.S. EPA for approval. Sites where remediation is actively overseen by a state or local agency were designated for close-out in CERCLIS. Where no agency was overseeing remediation, DTSC reviewed the above information to determine the site's potential threat to human health and environmental. Sites suspected to have conditions that warrant inclusion on the National Priorities List (NPL) were referred to U.S. EPA. Those sites not considered to be NPL caliber were further evaluated to determine the need for a remedial response and referred to the appropriate state or local agency. The remaining sites considered unlikely to pose a threat were designated for no further action in DTSC's Envirostor database and closed out in CERCLIS. Under the FY 14/15 PA/SI grant, DTSC will continue this evaluation for 60 sites in the CERCLIS backlog.

**Deliverables Schedule:**

U.S. EPA approves CERCLIS backlog sites to be evaluated – July 15, 2014  
SPLaSH data entry forms for one-half of sites submitted to U.S. EPA – August 29, 2014  
SPLaSH forms for remaining half of sites submitted to U.S. EPA – September 30, 2014  
Final date for all SPLaSH forms to be approved by U.S. EPA – November 30, 2014

Hours: 15 hours per CERCLIS backlog site, 900 hours total.

Report Format: Upon completing each evaluation, the DTSC grant liaison will submit a SPLaSH data entry report to their SAM counterpart for approval.

PCA Code: 14816, no site code is required.

Outcome: Resolution of a large backlog sites in the CERCLIS database with respect to further action by U.S. EPA or the state. Sites determined to have a low potential to qualify for the NPL will be referred to the state or designated for no further action and removed from the CERCLIS database.

## **G2: SITE SCREENING AND REASSESSMENT**

The objective of this task is to identify sites located in the Orange County Groundwater Basin that may require a federal or state remedial response. A total of 11 sites suspected to be sources of groundwater contamination in this basin will undergo a screening evaluation. The screened sites will be documented in Envirostor and, if necessary, added to CERCLIS as new sites.

### Deliverables Schedule:

DTSC submits to U.S. EPA proposed sites for screening evaluation – July 1, 2014  
U.S. EPA approves final list of sites for screening evaluation – July 31, 2014  
Last date for DTSC to Submit Draft Site Screen Reports – October 31, 2014  
Final date for U.S. EPA approval of Site Screen Reports – December 31, 2014

Hours: 33 hours per Site Screening, 363 hours total

Format: Each DTSC office will utilize the Site Screening Assessment format approved U.S. EPA and entered into the SPGIT.

PCA: 14835

Outcome: Sites posing a threat to public health and environment are identified for remedial response actions by U.S. EPA and the state.

## **G3: SOIL GAS STUDIES**

DTSC will conduct soil matrix and vapor sampling activities in an area identified in the SPGIT to have potential volatile organic carbon (VOC) plumes in shallow soil. The effort is intended to validate the existence of the VOC plumes in SPGIT. A second soil gas study will be conducted to support site screen work under Task G2. The sampling will be performed by DTSC contractors who are competitively selected under the State's

procurement process. The data will be used solely for screening purposes and not for Hazard Ranking System scoring.

Deliverables Schedule:

DTSC Submits Proposed Study Areas to U.S. EPA – July 15, 2014  
DTSC Submits Proposed Scope of Work to U.S. EPA – August 31, 2014  
Implement Field Work – January 15, 2015.  
Submit Screening Reports to U.S. EPA – May 1, 2014

Contractor Cost: \$75,000

Hours: 125 hours for the work and associated contract administration, including 15 hours for DTSC staff counsel to secure site access if property owners refuse to cooperate.

PCA: 14807 (For contract and field work only, not to be used for screen work).

Outcome: Reduce or eliminate threat to sensitive receptors of direct contact with contaminated soil and hazardous soil vapors.

#### **G4: SPATIAL PRIORITIZATION GEOGRAPHIC INFORMATION TOOL (SPGIT)**

DTSC will expand the SPGIT geographic information system developed by U.S. EPA and DTSC to identify sites that may impact human health and drinking water supplies. The SPGIT will be refined to support prioritization and site discovery in VOC hot spot areas, formerly used defense sites (FUDS), communities vulnerable to environmental justice concerns, and the Los Angeles Basin Groundwater Restoration Plan.

Deliverables Schedule:

1. Use the SPGIT to create a map of prioritized areas in the Los Angeles Basin. Provide a map of abandoned or standby wells that have been impacted (Approximately 100 wells).

Completion Date: August 31, 2014  
Estimated Hours: 40

2. Enter into the SPGIT all FUDS in California for spatial prioritization. DTSC will use information from the Army Corps of Engineers FUDSMIS database to show the locations of the historic military facilities and create a list and a map of FUDS that are within 2,000 feet of contaminated drinking water wells.

Completion Date: December 1, 2014  
Estimated Hours: 40

3. Incorporate the OEHHA environmental justice layer into the SPGIT.

Completion Date: December 1, 2014  
Estimated Hours: 20

4. Update the SPGIT to show the latest 5-year and 10-year intervals of contaminant levels in impacted drinking water wells.

Completion Date: February 1, 2015  
Estimated Hours: 60

5. Prepare ten ad hoc data packages in response to public and or regulatory agency inquiries with respect to a site not on current SPGIT analysis list. This will allow U.S. EPA and DTSC to discuss new and emerging sites within the context of a data package produced from the SPIGIT.

Completion Date: Within 30 days of a request.  
Estimated Hours: 80

6. Build a MINESPGIT application to integrate the DiFi Mine list, CAMLAG prioritization checklist, MRDS research database, population growth based on U.S. census data, stalled mine sites on the federal facilities docket, and possibly, if available, the Brownfields Minescarred Lands redevelopment activities. Analyze mines for potential releases of acid mine drainage, mercury, and arsenic to the environment and prioritize based on the CAMLAG criteria.

Completion Date: February 1, 2015  
Estimated Hours: 80

7. Establish a ranking system to assist U.S. EPA and DTSC in making resource decisions for future PA/SI grant work that leads to state enforcement orders or proposing mine sites for the NPL.

Completion Date: April 1, 2015  
Estimated Hours: 50

Total Hours for Task: 370

PCA Code: 14806, no site code is required.

## **G5: SITE DISCOVERY**

DTSC will conduct four discovery projects to identify sites suspected to be sources of groundwater contamination. Sites will be identified through database and record searches, examination of SPGIT for potential groundwater and soil gas contamination sources, and windshield surveys of the study locations. The three areas targeted for the discovery are located along the northern Interstate-710 corridor in Los Angeles, County,

up gradient from the Jordan Downs Housing Project, San Luis Obispo, and active and abandoned grain silos in the San Joaquin Valley.

The I-710 Corridor study will build upon the screening evaluation of 10 sites that was performed under the FY 13/14 PA/SI grant to identify other sites in the area that may be sources of soil gas and groundwater contamination. The focus of the San Luis Obispo study will be in two areas in the SPGIT that warrant high priority for investigation of groundwater contamination. Activities associated with fumigation of grain silos, particularly historic on-site storage of hazardous substances, have been shown to be a substantial source of groundwater contamination in at least two areas of the San Joaquin Valley. Grain silos suspected to be sources of groundwater contamination will be identified based on information from local agricultural commissioners, the California Department of Pesticide Regulation, the California Department of Agriculture, and windshield surveys along railroads and major highways in populated areas. Finally, a site discovery will be performed in the area of the Jordan Downs Housing Project in Los Angeles. This area is where soil sampling has indicated volatile organic carbons, including trichloroethylene, in soil gas. There are numerous businesses in the area that may be sources of substances posing vapor intrusion and groundwater threats. These hazardous substances may impact schools, residences, and drinking water in an area with environmental justice concerns.

Upon completion of each discovery project, a report will be submitted to U.S. EPA that is based on a format from a site discovery project in the North Carson area that was completed in 2013. The report will summarize the completed work, provide links to the SPGIT where the discovered sites are located, and make recommendations for further action by U.S. EPA and the State.

#### Deliverables Schedule:

San Luis Obispo Site Discovery Workplan submittal to U.S. EPA – August 1, 2014  
I-710 Corridor Site Discovery Workplan submittal to U.S. EPA – August 1, 2014  
Jordan Downs Site Discovery Workplan Submittal to U.S. EPA – September 1, 2014  
San Luis Obispo Site Discovery draft report submittal to U.S. EPA – December 1, 2014  
I-710 Corridor Site Discovery draft report submittal to U.S. EPA – December 1, 2014  
Grain Silo Site Discovery Workplan submittal to U.S. EPA – December 15, 2014  
Jordan Downs Site Discovery draft report submittal to U.S. EPA – December 31, 2014  
Grain Silo Site Discovery draft report submittal to U.S. EPA – March 15, 2015

Hours: 150 hours per site discovery project, 600 hours total.

Report Format: DTSC will submit a report with attachments and appendices. Sites identified in each project will be uploaded into the GIS for each discovery area.

PCA Code: 14840, a site code is required.

Outcome: By identifying sites that are potential contaminant sources, DTSC and U.S. EPA can undertake actions that reduce and eliminate risks to sensitive receptors exposed to contaminated soil, groundwater, and indoor air.

## **G6: ADMINISTRATIVE SUPPORT**

1. Grant Support – Purpose: Prepare quarterly reports for U.S. EPA, internal budget and tracking reports, grant applications, amendments, and other grant correspondence. A quarterly report will be submitted to U.S. EPA in electronic format by the end of the fifth week following the end of each quarter.

Total Estimated Hours: 69

2. Student Support – Purpose: Provide support to the grant's GIS efforts under Tasks G4 and G5 in Sacramento and the I-710 site discovery and L.A. Basin GIS efforts under Tasks G4 and G7. The students would upload documents that are grant deliverables to Envirostor and ensure that the quality of data inputted to Envirostor for each site. The students are hired for the grant under contract from University Enterprises, Incorporated. The contracts are managed by the grant staff.

Total Estimated Hours: 15

Student Contract Cost: \$30,000

3. Database Support – Manage and make improvements to the Envirostor database that records and tracks grant outputs and associated resources.

Total Estimated Task Hours: 20

4. Envirostor Uploading: A number of sites in Envirostor that had screening evaluations conducted under previous PA/SI grants are not in this database. U.S. EPA will provide to each grant liaison a list of sites where screening documents must be uploaded to Envirostor by the end of the grant period. This information will also be uploaded into DTSC's SDMS electronic filing system.

Estimated Hours: 20

PCA Code for all subtasks: 14805

Total Hours for Task: 124

## **G7: MEETINGS, CONFERENCES, AND COORDINATION**

1. Grant Liaison/Site Assessment Manager Coordination: DTSC's four grant liaisons and SAM counterparts discuss by phone project and deliverable status, do site triaging.

Hours: 1 hour per liaison for 50 weeks, total of 200 hours.

2. Grant Manager Meetings: The U.S. EPA grant manager and DTSC grant coordinator meet in person to discuss grant progress and issues, agree on future grant work.

Hours: 10 hours, including preparation and post meeting follow-up.

3. Internal Meetings - DTSC will conduct three internal coordination meetings between the grant coordinator and regional grant liaisons to discuss progress toward meeting grant deliverables, budget status, and issues for resolution. The first meeting will include a discussion of the work under the newly awarded grant the third meeting will have a discussion of work to be proposed in the next grant.

Hours: 30 hours per meeting, total 90 hours.

4. Semi-Annual Meetings: The U.S. EPA grant manager and site assessment managers will meet with the DTSC grant coordinator and PA/SI grant liaisons in person to discuss progress toward meeting grant deliverables, budget status, and issues for resolution. The first meeting will include a discussion of the work under the newly awarded grant the second meeting will have a discussion of work to be proposed in the next grant.

Hours: 63 hours per meeting, total 126 hours

5. Monthly Conference Calls: The U.S. EPA grant manager and DTSC grant coordinator discuss grant issues on a monthly basis.

Hours: 1 hour per call plus miscellaneous calls, total of 20 hours.

6. Attend National Site Assessment Forum: The purpose of the trip is to attend the biannual National Site Assessment Conference sponsored by U.S. EPA for states that perform work under PA/SI grants. At this conference states learn new U.S. EPA policies and requirements for administering the grant and performing the work under their grant. Information is shared by participants that lead to work efficiencies and improvement. The grant coordinator will attend as a speaker and participant in the sessions. The Senior Engineering Geologist will make presentations on the SPGIT geographic information system.

Total Hours: 64 hours for the DTSC grant coordinator and the Senior Engineering Geologist. Estimated travel costs are \$4100.00.

Total Hours for Task: 510 hours

PCA for all hours under this task: 14870

**PROPOSED FY 14/15 PA/SI GRANT BUDGET  
DETAILED SUMMARY PROJECTIONS  
April 23, 2014**

PCA CODE	TASK #	ACTIVITY	FUNDING LEVEL AMOUNT	OFFICE	CLASSIFICATIONS	MONTHLY SALARIES DIVIDED	BY HRS PER MONTH	= HRLY RATE	X Benefits 41.5%*	= TOTAL P.S.	X 114% INDIRECT RATE	= FULL*** LOAD HRLY RATE	X HOURS	= TOTAL P.S.BUDGET
14816	G1	Site Reassessment - CERCLIS Backlog Reduction	\$113,216.00											
				Sacramento	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	60.00	\$9,275
				Sacramento	Enviro Sci	\$6,907	173.33	\$39.85	\$16.54	\$56.39	\$64.28	\$120.67	240.00	\$28,962
				Chatsworth	Sr. Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	40.00	\$4,689
				Chatsworth	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	80.00	\$12,367
				Chatsworth	Enviro Sci	\$6,907	173.33	\$39.85	\$16.54	\$56.39	\$64.28	\$120.67	480.00	\$57,924
		Travel	\$500.00	<b>Total Hours</b>	<b>900.00</b>	<b>\$7,644</b>	<b>173.33</b>	<b>\$44.10</b>	<b>\$18.30</b>	<b>\$62.41</b>	<b>\$71.14</b>	<b>\$133.55</b>	<b>900.00</b>	<b>\$113,216</b>
14835	G2	Site Screening	\$43,783.00											
				Cypress	Sr. Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	22.00	\$2,579
				Cypress	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	33.00	\$5,101
				Cypress	Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	308.00	\$36,103
		Travel	\$500.00	<b>Total Hours</b>	<b>363.00</b>			<b>\$42.82</b>			<b>\$207.23</b>		<b>363.00</b>	<b>\$43,783</b>
14807	G3	Soil Gas Studies	\$18,821											
				HDQTRs	Staff Counsel	\$8,224	173.33	\$47.45	\$19.69	\$67.14	\$76.54	\$143.68	15.00	\$2,155
				Chatsworth	Sr. Enviro Sci	\$6,911	173.33	\$39.87	\$16.55	\$56.41	\$64.31	\$120.73	5.00	\$604
				Chatsworth	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.59	50.00	\$7,730
				Cypress	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	50.00	\$7,729
				Cypress	Sr. Enviro Sci	\$6,911	173.33	\$39.87	\$16.55	\$56.41	\$64.31	\$120.73	5.00	\$604
		Travel Sampling Contractor Costs	\$500 \$75,000	<b>Total Hours</b>	<b>125.00</b>			<b>\$45.86</b>			<b>\$369.87</b>		<b>125.00</b>	<b>\$18,821</b>
14806	G4	SPGIT Geographic Information System	\$63,262.00											
				Sacramento	Res. Prog. Spec. II	\$6,778	173.33	\$39.10	\$16.23	\$55.33	\$63.08	\$118.41	60.00	\$7,105
				Sacramento	Sr. EG	\$10,369	173.33	\$59.82	\$24.83	\$84.65	\$96.50	\$181.15	270.00	\$48,911
				Cypress	Sr. EG	\$10,369	173.33	\$59.82	\$24.83	\$84.65	\$96.50	\$181.15	40.00	\$7,246
		Travel	\$500	<b>Total Hours</b>	<b>370.00</b>			<b>\$52.92</b>			<b>\$256.08</b>		<b>370.00</b>	<b>\$63,262</b>
14840	G5	Site Discovery	\$83,470.00											
				Clovis	EG	\$8,849	173.33	\$51.05	\$19.91	\$70.96	\$80.89	\$151.85	290.00	\$44,037
				Clovis	Sup HSE I	\$9,144	173.33	\$52.76	\$20.58	\$73.33	\$83.60	\$156.93	10.00	\$1,569
				Chatsworth	Sr. Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	10.00	\$1,172
				Chatsworth	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	50.00	\$7,729
				Chatsworth	Enviro Sci	\$6,907	173.33	\$39.85	\$16.54	\$56.39	\$64.28	\$120.67	240.00	\$28,962
		Travel	\$1,000	<b>Total Hours</b>	<b>600.00</b>			<b>\$43.20</b>			<b>\$373.57</b>		<b>600.00</b>	<b>\$83,470</b>
14805	G6	Administrative Support	\$14,816											
				HDQTRs	AGPA	\$5,619	173.33	\$32.42	\$13.45	\$45.87	\$52.30	\$98.17	85.00	\$8,344
				HDQTRs	SSMI	\$6,311	173.33	\$36.41	\$15.11	\$51.52	\$58.73	\$110.25	19.00	\$2,095
				HDQTRs	AGPA (EnviroStor)	\$5,619	173.33	\$32.42	\$13.45	\$45.87	\$52.30	\$98.17	20.00	\$1,963
				All Offices	Enviro Sci	\$6,907	173.33	\$39.85	\$16.54	\$56.39	\$64.28	\$120.67	20.00	\$2,413

PROPOSED FY 14/15 PA/SI GRANT BUDGET  
DETAILED SUMMARY PROJECTIONS  
April 23, 2014

PCA CODE	TASK #	ACTIVITY	FUNDING LEVEL AMOUNT	OFFICE	CLASSIFICATIONS	MONTHLY SALARIES DIVIDED	BY HRS PER MONTH	= HRLY RATE	X Benefits 41.5%*	= TOTAL P.S.	X 114% INDIRECT RATE	= FULL*** LOAD HRLY RATE	X HOURS	= TOTAL P.S.BUDGET
		Students	\$30,000	Total Hours	124.00			\$33.75			\$227.61		124.00	\$14,816
14870	G7	Meetings, Conferences and	\$71,173											
				Sacramento	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	100.00	\$15,458
				Sacramento	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	65.00	\$10,048
				HDQTRS	SSMI	\$7,152	173.33	\$41.26	\$17.12	\$58.39	\$66.56	\$124.95	15.00	\$1,874
				HDQTRs	AGPA	\$8,807	173.33	\$50.81	\$21.09	\$71.90	\$81.96	\$153.86	15.00	\$2,308
				Clovis	EG	\$8,849	173.33	\$51.05	\$21.19	\$72.24	\$82.35	\$154.58	65.00	\$10,048
				Chatsworth	Sr. Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	65.00	\$7,619
				Cypress	Sr. Enviro Sci	\$6,710	173.33	\$38.71	\$16.06	\$54.77	\$62.44	\$117.22	65.00	\$7,619
				Cypress	Env. Prog. Mgr	\$7,727	173.33	\$44.58	\$18.50	\$63.08	\$71.91	\$134.98	120.00	\$16,198
		Travel	\$7,159	Total Hours	510.00			\$45.90	\$19.05	\$64.95	\$74.05	\$139.00	510.00	\$71,173

Total Hours	2,992.00	\$408,541
Travel		\$10,159
Students		\$30,000
Contract		\$75,000
		<u>\$523,700</u>

NOTE:        \* The fringe benefit of 41.5% is based on the information provided by the Financial Operation office.  
              \*\* The average hourly rate is figured (per activity) by adding the # of staff's hourly rates and than dividing the total amount by the # of staff.  
              \*\*\* The hourly rate is based on the contract estimation rates to reflect salary increases and adjustments provided by the Financial Operations Office.  
              Therefore, the full load average hourly rate includes hourly rate, total personnel services(PS), and 114% indirect rate. The average full load hourly rate multiply by hours = Total P.S. budget.

Site reassessments assume 15 hours per CERCLIS Backlog Site

Proposed PA/ST GRANT BUDGET  
SUMMARY PROJECTIONS  
FY 2012-2013  
April 28, 2012

Project/Grant Activity	HOURS	SALARY & WAGES	FRINGE BENEFITS 41.5%	TOTAL PERS. SVCS.	TOTAL INDIRECT 114%	BUDGET SUB-TOTAL	TRAVEL BUDGET	CONTRACTS	TOTAL BUDGET
<b>G1 - CERCLIS Backlog Evaluation</b>									
Site Reassessment - PCA 14816	900	\$ 37,384	\$ 15,511	\$ 52,895	\$ 60,321	\$ 113,216	\$ -	\$ -	\$ 113,216
SUB-TOTALS:	<b>900</b>	<b>\$ 37,384</b>	<b>\$ 15,511</b>	<b>\$ 52,895</b>	<b>\$ 60,321</b>	<b>\$ 113,216</b>	<b>\$ 500</b>	<b>\$ -</b>	<b>\$ 113,716</b>
<b>G2 Site Screening</b>									
Screening PCA 14835	363	\$ 14,455	\$ 5,999	\$ 20,454	\$ 23,329	\$ 43,783	\$ 500	\$ -	\$ 44,283
SUB-TOTALS:	<b>363</b>	<b>\$ 14,455</b>	<b>\$ 5,999</b>	<b>\$ 20,454</b>	<b>\$ 23,329</b>	<b>\$ 43,783</b>	<b>\$ 500</b>	<b>\$ -</b>	<b>\$ 44,283</b>
<b>G3 Soil Gas Studies</b>									
Contract/Field Work PCA 14807	125	\$ 6,216	\$ 2,580	\$ 8,796	\$ 10,025	\$ 18,821	\$ 500	\$ 75,000	\$ 94,321
SUB-TOTALS:	<b>125</b>	<b>\$ 6,216</b>	<b>\$ 2,580</b>	<b>\$ 8,796</b>	<b>\$ 10,025</b>	<b>\$ 18,821</b>	<b>\$ 500</b>	<b>\$ 75,000</b>	<b>\$ 94,321</b>
<b>G4 SPGIT</b>									
PCA 14806	370	\$ 20,893	\$ 8,662	\$ 29,555	\$ 33,707	\$ 63,262	\$ 500	\$ -	\$ 63,762
SUB-TOTALS:	<b>370</b>	<b>\$ 20,893</b>	<b>\$ 8,662</b>	<b>\$ 29,555</b>	<b>\$ 33,707</b>	<b>\$ 63,262</b>	<b>\$ 500</b>	<b>\$ -</b>	<b>\$ 63,762</b>
<b>G5 Site Discovery</b>									
PCA 14840	600	\$ 27,564	\$ 11,436	\$ 39,000	\$ 44,470	\$ 83,470	\$ 1,000	\$ -	\$ 84,470
SUB-TOTALS:	<b>600</b>	<b>\$ 27,564</b>	<b>\$ 11,436</b>	<b>\$ 39,000</b>	<b>\$ 44,470</b>	<b>\$ 83,470</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>\$ 84,470</b>
<b>G6 Administrative Support</b>									
PCA 14805	124	\$ 4,893	\$ 2,031	\$ 6,924	\$ 7,893	\$ 14,817	\$ -	\$ 30,000	\$ 44,817
SUB-TOTALS:	<b>124</b>	<b>\$ 4,893</b>	<b>\$ 2,031</b>	<b>\$ 6,924</b>	<b>\$ 7,893</b>	<b>\$ 14,817</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 44,817</b>
<b>G7 Meetings, Conferences, and Coordination</b>									
PCA 14870	510	\$ 23,503	\$ 9,752	\$ 33,255	\$ 37,917	\$ 71,172	\$ 7,159	\$ -	\$ 78,331
SUB-TOTALS:	<b>510</b>	<b>\$ 23,503</b>	<b>\$ 9,752</b>	<b>\$ 33,255</b>	<b>\$ 37,917</b>	<b>\$ 71,172</b>	<b>\$ 7,159</b>	<b>\$ -</b>	<b>\$ 78,331</b>
<b>GRAND TOTALS:</b>	<b>2,992</b>	<b>134,908</b>	<b>55,971</b>	<b>190,879</b>	<b>217,662</b>	<b>408,541</b>	<b>10,159</b>	<b>105,000</b>	<b>523,700</b>

Personnel Year = 1776 hours

*Because this Excel spreadsheet has formulas throughout, some of the figures may be under/over one or two numbers and have been adjusted accordingly.*

Hourly Average Rate is based on Personnel Classification and weighted by hours and task.

Fringe Benefits = 41.5% of Salary

Indirect Rate = 114% of Personnel Services

Totals rounded in Excel